

AMENDMENTS TO THE CLAIMS:

The following listing of claims replaces all prior listings, and all prior versions, of claims in the above-identified application.

LISTING OF CLAIMS:

1. (Currently amended) A cell-mediated immunological diagnostic method for paratuberculosis characterized by comprising:

collecting blood of a subject animal, thereby providing collected blood;

adding an anti-interleukin 10 (IL-10) antibody to the collected blood, while
inducing cell-mediated immunological reaction against *Mycobacterium avium* subsp. *paratuberculosis* in the collected blood and a *Mycobacterium avium* subsp. *paratuberculosis* antigen to the collected blood followed by culture; and

subsequent to said adding, measuring an amount of produced interferon- γ (IFN γ) in the blood ~~after the culture~~.
2. (Currently amended) A cell-mediated immunological diagnostic method for paratuberculosis according to Claim 1, characterized in that the amount of produced IFN γ in the blood is measured by an IFN γ ELISA method.
3. (Currently amended) A cell-mediated immunological diagnostic method for mycobacterial disease or mycobacterial infection characterized by comprising:

collecting the blood of a subject animal, thereby providing collected blood;

adding an anti-interleukin 10 (IL-10) antibody to the collected blood, while
inducing cell-mediated immunological reaction against mycobacterium in the

collected blood, and a mycobacterial antigen to the collected blood followed by
culture; and

subsequent to the adding, measuring an amount of produced interferon- γ
(IFN γ) in the blood ~~after the culture.~~

4. (New) A cell-mediated immunological diagnostic method according to Claim 1, characterized in that cell-mediated immunological reaction against *Mycobacterium avium* subsp. *paratuberculosis* in the collected blood is induced by adding *Mycobacterium avium* subsp. *paratuberculosis* antigen selected from the group of *Mycobacterium avium* subsp. *paratuberculosis* PPD, live *Mycobacterium avium* subsp. *paratuberculosis* and soluble antigen obtained by heat-killed *Mycobacterium avium* subsp. *paratuberculosis* to the collected blood.

5. (New) A cell-mediated immunological diagnostic method according to Claim 1, wherein the subject animal is cattle.

6. (New) A cell-mediated immunological diagnostic method according to Claim 3, wherein the subject animal is cattle.